

**Seq1 : Hi-AF (104 mers)**

5' -gatcctttatggttggttacactgactgcactgaatccggtcagaacctgtgcctgtg  
cgaaggctctaacgtttgcgccagggcaacaaatgcatcctgggc-3'

**Seq2: Hi-AR (107 mers)**

5' -ctctagagcccaggatgcatttggtgccctggccgcaaacgtagagccttcgcacag  
gcacaggttctgaccggattcagtcagtcagtgtaaacaaccataaag-3'

**Seq3: Hi-BF (111 mers)**

5' -tctagaggcgaaaaaatcaatgcggttactggcgaagggtactccacaaggctttgaat  
cccggaagaatagaaaccgcagtcctccgacgacagaacctgcaataatagggc-3'

**Seq4: Hi-BR (108 mers)**

5' -ggccgccctattattgcaggtattcttccgggatttcttcaaagtcgccgtcgttgtg  
agactgcggtttcggagtagcttcgccagtaacgcattgatttttttcgc-3'

FIG. 1

**Seq5: Hi-PCR-AF (33 mers)**

5'-tcgggatcctttatggttgtttacactgactgc-3'

**Seq6: Hi-PCR-AR (31 mers)**

5'-gcctctagagcccaggatgcatttggtgccc-3'

**Seq7: Hi-PCR-BF (38 mers)**

5'-ggctctagaggcgaaaaaatcaatgcggttactggcga-3'

**Seq8: Hi-PCR-BR (32 mers)**

5'-catgcgggccgcccctattattgcaggtattctt-3'

FIG. 2

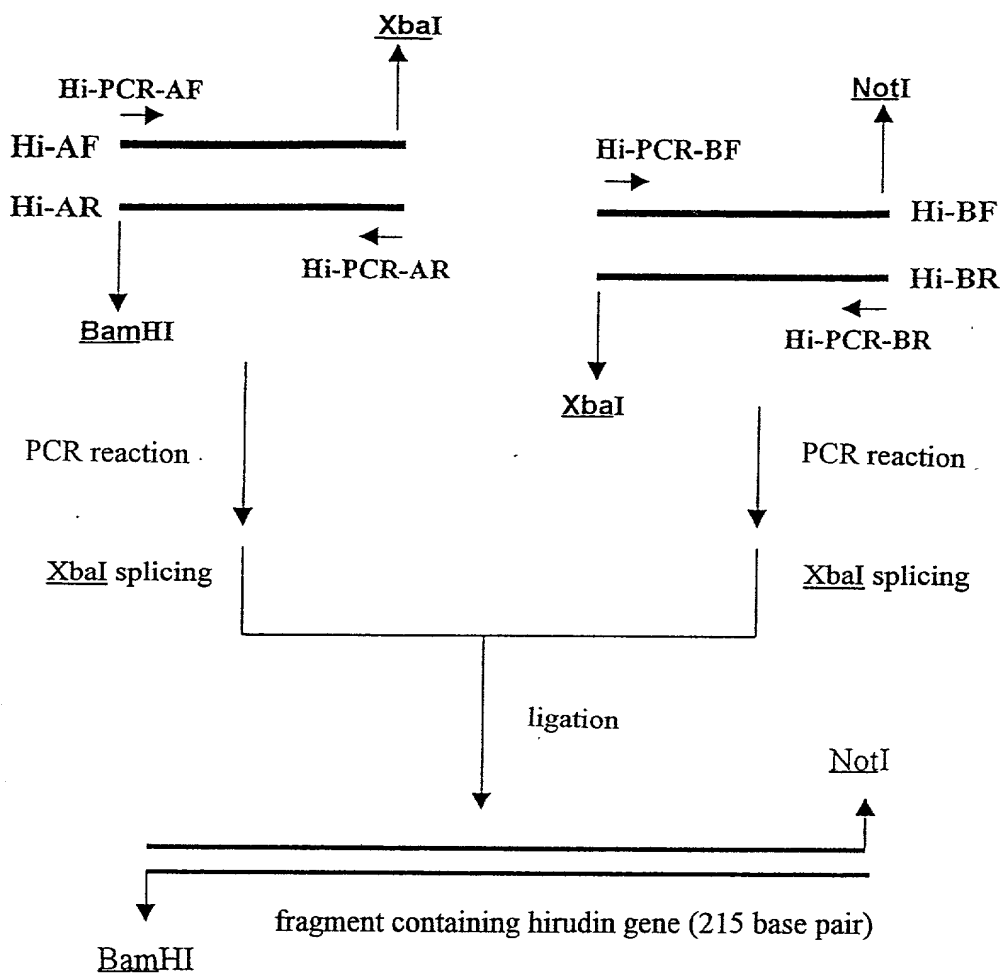


FIG. 3

(A)

GATCCTTT ATG GTT GTT TAC ACT GAC TGC ACT GAA TCC GGT CAG  
 AAC CTG TGC CTG TGC GAA GGC TCT AAC GTT TGC GGC CAG GGC  
 AAC AAA TGC ATC CTG GGC TCT AGA GGC GAA AAA AAC CAG TGC  
 GTT ACT GGC GAA GGT ACC CCG AAA CCG CAG TCT CAC AAC GAC  
 GGC GAC TTC GAA GAA ATC CCG GAA GAA TAC CTG CAG TAA TAGGGC

(B)

Met Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu  
 Cys Leu Cys Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys  
 Cys Ile Leu Gly Ser ~~Arg~~ Gly Glu Lys Asn Gln Cys Val Thr  
 Gly Glu Gly Thr Pro Lys Pro Gln Ser His Asn Asp Gly Asp  
 Phe Glu Glu Ile Pro Glu Glu Tyr Leu Gln

FIG. 4

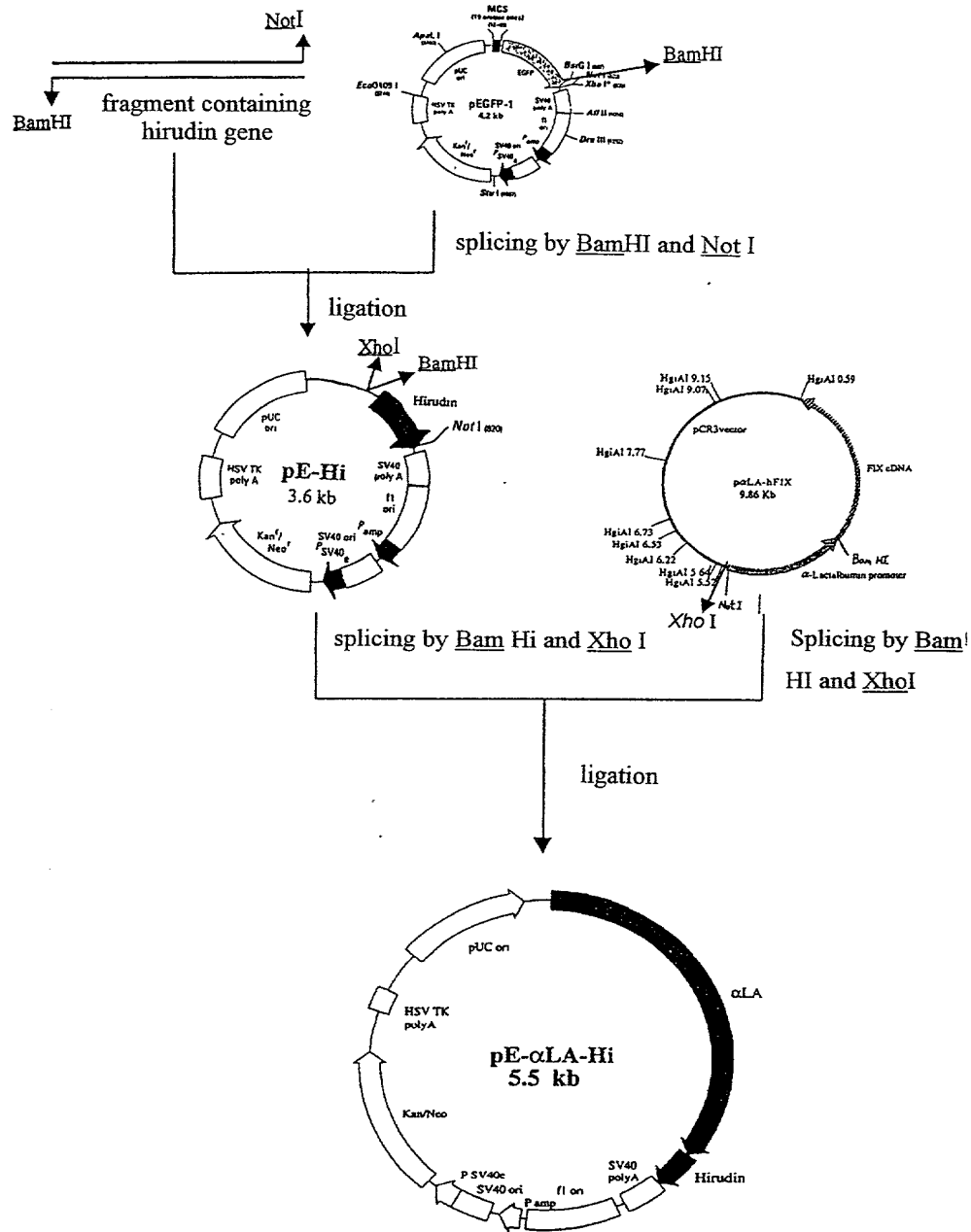


FIG. 5

0.03 mg homogenization solution of mammary gland cell

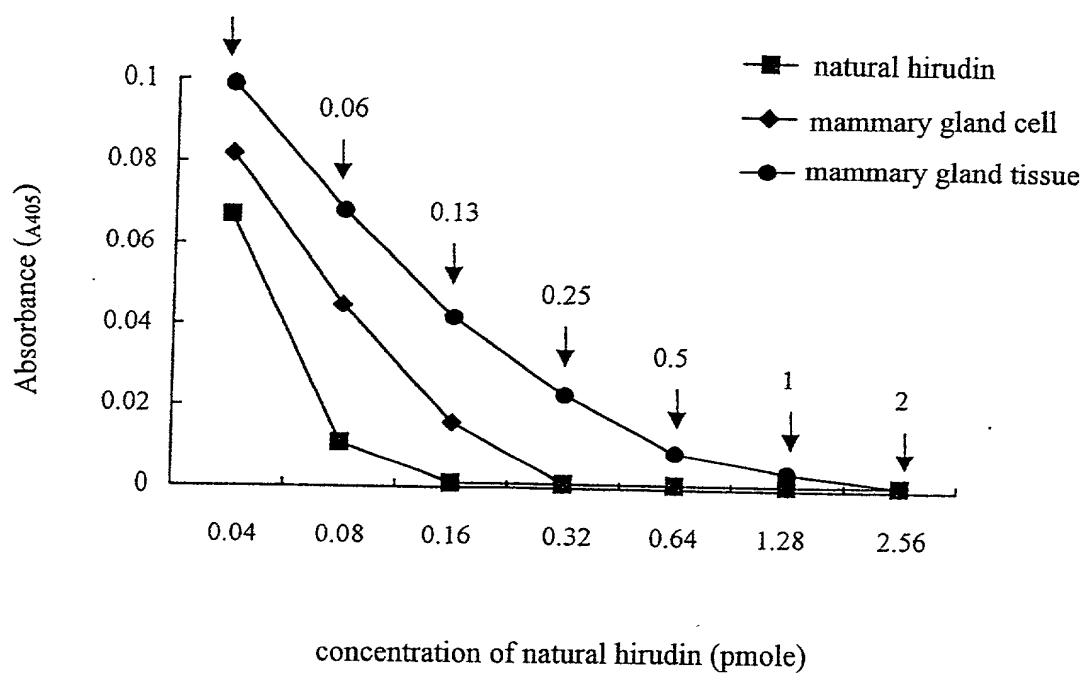


FIG. 6

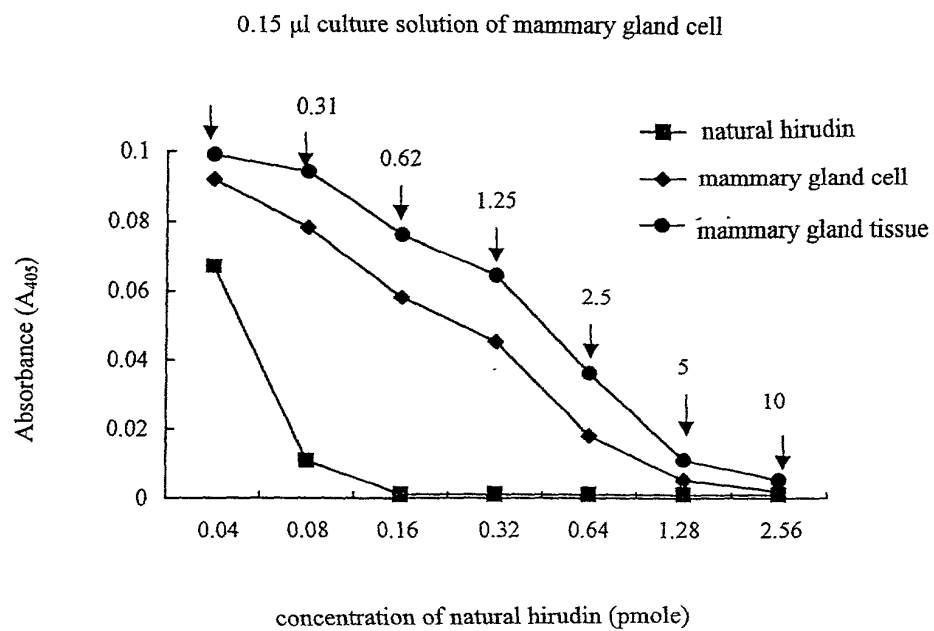
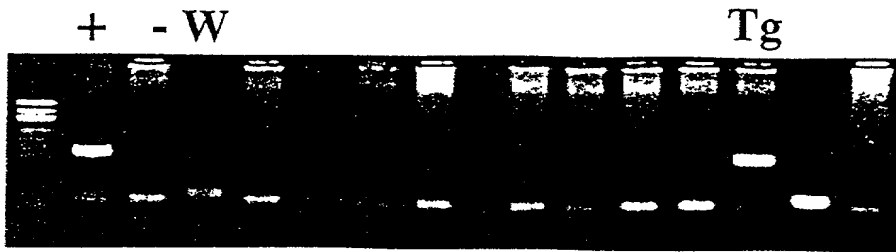


FIG. 7

(A)



(B)

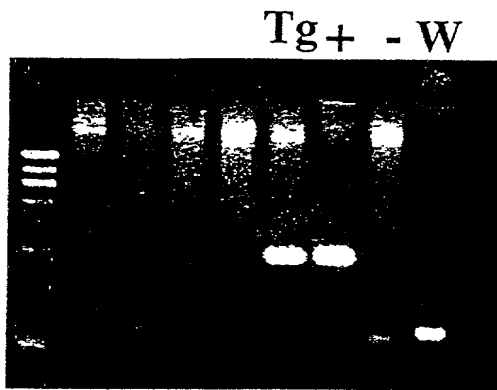


FIG. 8